

POLE PIECES FOR MAGNETIC RESONANCE IMAGING SYSTEMS

Abstract of Disclosure

Pole pieces for magnetic resonance imaging systems comprise a plurality of laminated sheets of an alloy comprising iron and aluminum. Such an alloy can comprise up to about 17 weight percent aluminum and can further comprise cobalt, nickel, and/or silicon. A sheet of iron-aluminum alloy for such pole pieces has a resistivity greater than about 60 micro-ohm.cm. A sheet is formed in a process comprising hot forging, hot rolling, and cold rolling. The process can further comprise annealing before and/or after the step of cold rolling.

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